# SEQUENCE LISTING



<110> Cheung, Nai-Kong V. Larson, Steven M. Guo, Hong-Fen Rivlin, Ken Sadelain, Michel

<120> Single Chain FV Constructs of Anti-Ganglioside GD2
Antibodies

<130> MSK.P-013-2

<140> 10/075,947

<141> 2002-02-13

<150> 09/142,974

<151> 1998-09-18

<150> PCT/US97/04427

<151> 1997-03-20

<150> 60/013,703

<151> 1996-03-20

<160>5

<170> PatentIn Ver. 2.1

<210>1

<211>717

<212> DNA

<213> Murine

<220>

<223> 5F11-scFv

<220>

<221> unsure

<222> (37)

<220>

<221> unsure

<222> (79)

#### <400>1

caggtgaaac tgcagcagtc aggacctgaa ctggtgnagc ctggggettc agtgaagata 60 teetgeaaga ettetggana caaatteact gaatacacca tgcactgggt gaagcagage 120 catggaaaga geettgagtg gattggaggt attaateeta acaatggtgg tactaactac 180 aagcagaagt teaagggeaa ggecacattg actgtagaca agteeteeag cacageetac 240 atggagetee geagcetgac atetgaggat tetgeagtet attactgtge aagagatact 300 aeggteeegt ttgettactg ggtecaaggg accaeggtea eegteteete aggtggagge 360 ggtteaggeg gaggtggete tggeggtgge ggateggaca tegageteac teagteteea 420 geaateatgt etgeatetee aggggagaag gteaceatga eetgeagtgg eageteaagt 480 ataagttaca tgeactggta eeageagaag eetgteacet eececaaaag atggattat 540 gacacateea aactggette tggagteeet getegettea gtggeagtgg gtetgggace 600 tettattete teacaateag eageatggag getgtagatg etgecactta ttactgecat 660 cageggagta gttacceget eaegtteggt getgggacae agttggaaat aaaacgg 717

<210>2

<211>714

<212> DNA

<213> Murine

<220>

<223> 3G6-scFv

### <400>2

agtattgtga tgacccagac tcccaaattc ctgcttgtat cagcaggaga cagggttacc 60 ataacctgca aggccagtca gagtgtgagt aatgatgtgg cttggtacca acagaagcca 120 gggcagtctc cgaaactgct gatatactct gcatccaatc gctacactgg agtccctgat 180 cgcttcactg gcagtggata tgggacggat ttcactttca ccatcagcac tgtgcaggct 240 gaagacctgg cagtttattt ctgtcagcag gattatagct cgctcggagg ggggaccaag 300 ctggaaataa aaggtggagg cggttcaggc ggaggtggct ctggcggtgg cggatcgcag 360 gtgcaggtga aggagtcagg acctggcctg gtggcgccct cacagagcct gtccatcact 420 tgcactgtct ctgggttttc attaaccaat tatggtgtac actgggttcg ccagcctcca 480 ggaaagggtc tggagtggct gggagtaata tgggctggtg gaagcacaaa ttataattcg 540 gctcttatgt ccagactgag catcagcaag gacaactcca agagccaagt tttcttaaaa 600 atgaacagtc tgcaaactga tgacacagcc atgtactact gtgccagtcg gggggtaac 660 tacggctatg ctttggacta ctggggtcaa ggaacctcag tcaccgtctc ctca 714

<210>3

<211> 1176

<212> DNA

<213> Murine

<220>

<223> 5F11-scFv-streptavidin

<220> <221> unsure <222> (37)

<220> <221> unsure

<222> (79)

## <400>3

caggtgaaac tgcagcagtc aggacctgaa ctggtgnagc ctggggcttc agtgaagata 60 tcctgcaaga cttctggana caaattcact gaatacacca tgcactgggt gaagcagagc 120 catggaaaga gccttgagtg gattggaggt attaatccta acaatggtgg tactaactac 180 aagcagaagt tcaagggcaa ggccacattg actgtagaca agtcctccag cacagcctac 240 atggagetee geageetgae atetgaggat tetgeagtet attactgtge aagagatact 300 acggtcccgt ttgcttactg ggtccaaggg accacggtca ccgtctcctc aggtggaggc 360 ggttcaggcg gaggtggctc tggcggtggc ggatcggaca tcgagctcac tcagtctcca 420 gcaatcatgt ctgcatctcc aggggagaag gtcaccatga cctgcagtgg cagctcaagt 480 ataagttaca tgcactggta ccagcagaag cctgtcacct cccccaaaag atggatttat 540 gacacatcca aactggcttc tggagtccct getegettca gtggcagtgg gtetgggacc 600 tettattete teacaateag eageatggag getgtagatg etgeeaetta ttaetgeeat 660 cageggagta gttacceget eaegtteggt getgggacae agttggaaat aaaaegggeg 720 gccgctggat ccggtgctgc tgaagcaggt atcaccggca cctggtacaa ccagctcggc 780 tegacettea tegtgacege gggegeegae ggegeeetga eeggaaceta egagteggee 840 gteggeaacg eegagageeg etacgteetg aeeggtegtt aegacagege eeeggeeace 900 gacggcagcg gcaccgccct cggttggacg gtggcctgga agaataacta ccgcaacgcc 960 cacteegega ceaegtggag eggecagtae gteggeggeg eegaggegag gateaacace 1020 cagtggctgc tgacctccgg cacaaccgag gccaacgcct ggaagtccac gctggtcggc 1080 cacgacacet teaceaaggt gaageegtee geegeeteeg gateegaaca aaagetgate 1140 tcagaagaag atctatgcat acatcaccat catcat 1176

<210>4

<211>1173

<212> DNA

<213> Murine

<220>

<223> 3G6-scFv-streptavidin

#### <400>4

agtattgtga tgacccagac tcccaaattc ctgcttgtat cagcaggaga cagggttacc 60 ataacctgca aggccagtca gagtgtgagt aatgatgtgg cttggtacca acagaagcca 120 gggcagtctc cgaaactgct gatatactct gcatccaatc gctacactgg agtccctgat 180 cgcttcactg gcagtggata tgggacggat ttcactttca ccatcagcac tgtgcaggct 240 gaagacctgg cagtttattt ctgtcagcag gattatagct cgctcggagg ggggaccaag 300

ctggaaataa aaggtggagg cggttcaggc ggaggtggct ctggcggtgg cggatcgcag 360 gtgcaggtga aggagtcagg acctggcctg gtggcgccct cacagagcct gtccatcact 420 tgcactgtct ctgggttttc attaaccaat tatggtgtac actgggttcg ccagcetcca 480 ggaaagggtc tggagtggct gggagtaata tgggctggtg gaagcacaaa ttataattcg 540 getettatgt ceagaetgag eateageaag gacaaeteea agageeaagt tttettaaaa 600 atgaacagtc tgcaaactga tgacacagcc atgtactact gtgccagtcg ggggggtaac 660 tacggctatg ctttggacta ctggggtcaa ggaacctcag tcaccgtctc ctcagcggcc 720 getggateeg gtgetgetga ageaggtate aceggeacet ggtacaacea geteggeteg 780 accttcatcg tgaccgcggg cgccgacggc gccctgaccg gaacctacga gtcggccgtc 840 ggcaacgccg agagccgcta cgtcctgacc ggtcgttacg acagcgcccc ggccaccgac 900 ggcagcggca ccgccctcgg ttggacggtg gcctggaaga ataactaccg caacgcccac 960 tccgcgacca cgtggagcgg ccagtacgtc ggcggcgccg aggcgaggat caacacccag 1020 tggctgctga cctccggcac aaccgaggcc aacgcctgga agtccacgct ggtcggccac 1080 gacacettea ecaaggtgaa geegteegee geeteeggat eegaacaaaa getgatetea 1140 gaagaagatc tatgcataca tcaccatcat cat 1173

```
<210> 5
<211> 13
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: antibody tag
<400> 5
Gly Ala Pro Val Pro Val Pro Asp Pro Leu Glu Pro Arg
1
5
10
```